

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 57162764
PUBLICATION DATE : 06-10-82

APPLICATION DATE : 31-03-81
APPLICATION NUMBER : 56048891

APPLICANT : HITACHI CHEM CO LTD;

INVENTOR : NOMURA NORIYUKI;

INT.CL. : C09D 5/00 C09D 3/58 C09D 5/40 // C08G 59/14 C08G 59/40 H05K 3/18

TITLE : PREPARATION OF CHEMICALLY PLATABLE POWDER COATING

ABSTRACT : PURPOSE: To prepare the titled powder coating having improved heat resistance, and suitable for the manufacturing of a metal-cored printed circuit board, by mixing specific amounts of a specific epoxy resin, a specific rubber and an inorganic filler, and finely pulverizing the mixture.

CONSTITUTION: The objective composition is prepared preferably by (1) crosslinking a mixture of 100pts.wt. of an epoxy resin (e.g. bisphenol A-epichlorohydrin epoxy resin) and 1~200pts. of a rubber (e.g. acrylonitrile-butadiene rubber), (2) mixing the reaction product, if necessary, with additional epoxy resin, rubber and an inorganic filler (e.g. zirconium silicate) to obtain a composition composed of 100pts. of epoxy resin, 1~60pts. of rubber and preferably 5~100pts. of inorganic filler, and (3) kneading the mixture and finely pulverizing the product.

EFFECT: The pulverization workability and its yield are improved, and the tolerable amount of the rubber is increased.

COPYRIGHT: (C)1982,JPO&Japio